## **AMENDMENT TO THE CLAIMS**

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1	37. (currently amended): A method for providing a capability to securely update
2	information stored in a plurality of computer systems, wherein the method
3	comprises:
4	forming a protected partition within a hard drive of each of the computer
5	systems
6	storing, within nonvolatile storage of each computer system in the plurality
7	of computer systems, a setup password, an operating system, and an
8	initialization routine to execute within a processor of the computer system after
9	power on of the computer system, wherein the initialization routine includes
10	instructions causing the protected partition to be locked before the operating
11	system is loaded, and wherein instructions causing information stored within the
12	a predetermined location to be written within the protected partition after
13	predetermined security procedures using the setup password have occurred but
14	before the protected partition is locked;
15	establishing a network connecting each computer system in the plurality of
16	computer systems with a server system;
17	generating a file an update partition file within the server system;
18	transmitting the a file update partition file over the network to each
19	computer system in the plurality of computer systems; and
20	storing the a file update partition file within the predetermined location of
21	each computer system in the plurality of computer systems.
1	38. (currently amended): The method of claim 37, wherein the initialization
2	routine includes instructions causing the processor of the computer system to

perform a method including:

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comparing information stored in the update protected partition with

information from the a file update partition file stored within the predetermined location;

when a matching portion of the information stored in the protected partition is found match a portion of the information stored within the file update partition file, overwriting the matching portion of the information stored in the protected partition with the portion of the information stored in the file update partition file if space around the matching portion of the information stored in the protected partition is sufficient:

when a portion of the information stored in the protected partition is not found to match a portion of the information stored within the file update partition <u>file</u>, writing the portion of the information stored within the <u>file</u> update partition <u>file</u> to append to the information stored in the protected partition if space within the protected partition is sufficient; and

locking the protected partition to prevent further modification of information stored within the protected partition.

39. (currently amended): The method of claim 38, wherein

a flag bit is set in non-volatile storage within the computing system when the file update partition file is stored at a predetermined location in non-volatile storage within the computing system, and

determining whether the file update partition file is stored within the computing system for updating the protected partition is performed by determining whether the flag bit is set.

40. (currently amended): The method of claim 38, wherein

the method additionally comprises, after determining that the file update partition file is stored within the computing system for updating the protected partition, verifying whether the update partition file has been generated by the server system, and

6	the portion of the file update partition file is written to the protected
7	partition only following verification that the update partition file has been
8	generated by the server system.
1	41. (currently amended): The method of claim 40, wherein verification that the
2	file update partition file has been generated by the server system includes:
3	forming a first message digest by applying a hash algorithm to a portion
4	of the <del>file</del> update partition <u>file</u> ;
5	forming a second message digest by decrypting a digital signature within
6	the file update partition file using a public key of the server system; and;
7	determining that the first and second message digests are identical.
1	42. (currently amended): The method of claim 40, wherein
2	the predetermined setup procedures include verifying that the file update
3	partition file has been generated by the server system includes signing an
4	encrypted portion of the update partition file with a public key of the trusted
5	server system, and
6	the encrypted portion of the file update partition file has been prepared by
7	signing, with a private key of the server system, a result of the application of an
8	algorithm to data including a version of the setup password
9	accessed by the server system.
1	43. (currently amended): The method of claim 42, wherein
2	the data includes the version of the setup password appended to a
3	portion of the <del>file</del> update partition <u>file</u> ,
4	said algorithm is a hash algorithm generating a message digest, and
5	verifying that the update partition file has been generated by the server
6	system includes applying the hash algorithm to the setup
7 7	nassword stored within the computing system appended to a portion of the

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update partition file to generate a first version of a message digest and

9	comparing the first version of the message digest with a second version of the
10	message digest obtained by signing the encrypted portion of the update
11	partition file.
1	44. (currently amended): The method of claim 38, wherein
2	the file update partition file includes a plurality of entries and a plurality of
3	encrypted elements,
4	each entry within the plurality of entries includes information to be stored
5	at a different location within the protected file partition,
·6	each encrypted element within the plurality of encrypted elements is
7	associated with an entry in the plurality of entries[[.]].
8	the method additionally comprises, following determining that the file
9	update partition file is stored within the computing system for updating the
10	protected partition, verifying whether each entry in the plurality of entries within
11	the file update partition file has been generated by the server system, and
12	each entry in the plurality of entries within the file update partition file is
3	written to the protected partition only following verification that the entry has
4	been generated by the server system.
1	45. (previously presented): The method of claim 44, wherein verifying that the
2	entry has been generated by the server system includes:
3	forming a first message digest by applying a hash algorithm to the entry;
4	forming a second message digest by signing the encrypted element
5	associated with the entry using a public key of the server system; and;
6	determining that the first and second message digests are identical.
1	46. (currently amended): The method of claim 44, wherein verifying that the
2	entry has been generated by the server system includes signing the encrypted
3	element associated with the entry with a public key of the server system, and
4	the encrypted element of the file update partition file has been prepared by

5	signing, with the private key of the server system, a result of the application of
6	an algorithm to data including a version of the setup password accessed by the
7	server system.
1	47. (previously presented): The method of claim 46, wherein
2	the data includes the version of the setup password appended to a the
3	entry,
4	the algorithm is a hash algorithm generating a message digest, and
5	verifying that the entry has been generated by the server system includes
6	applying the hash algorithm to the setup password stored within the computing
7	system appended the entry to generate a first version of a message digest and
8	comparing the first version of the message digest with
9	a second version of the message digest obtained by signing the encrypted
10	element.
1	48. (currently amended): The method of claim 44, wherein
2	information stored in the file update protected partition is compared to
3	each entry in the plurality of entries within the update partition file,
4	when a portion of the information stored in the protected partition is found
5	to match the entry, the portion of the information stored in the protected partition
6	is overwritten with the entry if space around the matching portion of the
7	information stored in the protected partition is sufficient, and
8	when a portion of the information stored in the protected partition is not
9	found to match the entry, the entry is appended to the information stored in the
10	protected partition if space within the protected partition is sufficient.

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the method additionally comprises receiving an input signal from a

49. (previously presented): The method of claim 38, wherein

keyboard of the computing system and comparing the input signal with a signal corresponding to a setup password stored in non-volatile storage within the computing system, and

the protected partition is left unlocked if the input signal matches the signal corresponding to the setup password.

50. (currently amended): An interconnected system for providing updated information in a secure manner, wherein the interconnected system comprises:

a network:

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a server system connected to the network and programmed to generate an update partition file and to transmit the update partition file over the network; and

a computer system connected to the network, wherein the computer system includes a processor, non-volatile data storage including a hard drive having a protected partition, wherein the processor is programmed to receive the update partition file from the network and to store the update partition information file in a predetermined location within the nonvolatile data storage outside the protected partition, and wherein the nonvolatile data storage stores an operating system and an initialization routine, executing within the processor after power on of the computer system, including instructions causing the protected partition to be locked before the operating system is loaded, and instructions causing information stored within the predetermined location to be written within the protected partition after predetermined security procedures have occurred but before the protected partition is locked.

51. (currently amended): The method interconnected system of claim 50, wherein the initialization routine includes instructions causing the processor of the computer system to perform a method including:

comparing information stored in the <u>update</u> <u>protected</u> partition with information from the <u>a file</u> update partition <u>file</u> stored within the predetermined

location;

when a matching portion of the information stored in the protected partition is found match a portion of the information stored within the update partition file, overwriting the matching portion of the information stored in the protected partition with the portion of the information stored in the protected partition if space around the matching portion of the information stored in the protected partition is sufficient;

when a portion of the information stored in the protected partition is not found to match a portion of the information stored within the update partition file, writing the portion of the information stored within the update partition file to append to the information stored in the protected partition if space within the protected partition is sufficient; and

locking the protected partition to prevent further modification of information stored within the protected partition.

52. (currently amended): The method interconnected system of claim 51, wherein

a flag bit is set in non-volatile storage within the computing system when the file update partition file is stored at a predetermined location in non-volatile storage within the computing system, and

determining whether the file update partition file is stored within the computing system for updating the protected partition is performed by determining whether the flag bit is set.

53. (currently amended): The method interconnected system of claim 51, wherein

the method additionally comprises, after determining that the update partition file is stored within the computing system for updating the protected partition, verifying whether the update partition file has been generated by a trusted server system, and

. /	the portion of the update partition <u>file</u> is written to the protected partition
8	only following verification that the update partition file has been generated by
9	the server system.
1	54. (currently amended): The method interconnected system of claim 53,
2	wherein verification that the update partition file has been generated by the
3	server system includes:
4	forming a first message digest by applying a hash algorithm to a portion
5	of the update partition file;
6	forming a second message digest by decrypting a digital signature within
7	the update partition file using a public key of the server system; and;
8	determining that the first and second message digests are identical.
1	55. (currently amended): The method interconnected system of claim 53,
2	wherein
3	the predetermined setup procedures include verifying that the update
4	partition file has been generated by the server system includes signing an
5	encrypted portion of the update partition file with a public key of the trusted
6	server system, and
7	the encrypted portion of the update partition file has been prepared by
8	signing, with a private key of the server system, a result of the application of an
9	algorithm to data including a version of the $\underline{a}$ setup password accessed by the
10	server system.
1	56. (currently amended): The method interconnected system of claim 55,
2	wherein
3	the data includes the version of the setup password appended to a
4	portion of the update partition file,
5	the algorithm is a hash algorithm generating a message digest, and

6	verifying that the update partition file has been generated by the server
7	system includes applying the hash algorithm to the setup
8	password stored within the computing system appended to a portion of the
9	update partition file to generate a first version of a message digest and
10	comparing the first version of the message digest with a second version of the
11	message digest obtained by signing the encrypted portion of the update
12	partition file.
1	57. (currently amended): The method interconnected system of claim 51,
2	wherein
3	the file update partition file includes a plurality of entries and a plurality o
4	encrypted elements,
5	each entry within the plurality of entries includes information to be stored
6	at a different location within the protected file partition,
7	each encrypted element within the plurality of encrypted elements is
8	associated with an entry in the plurality of entries.
9	the method additionally comprises, following determining that the file
10	update partition file is stored within the computing system for updating the
11	protected partition, verifying whether each entry in the plurality of entries within
12	the file update partition file has been generated by the server system, and
13	each entry in the plurality of entries within the file update partition file is
14	written to the protected partition only following verification that the entry has
15	been generated by the server system.
1	58. (currently amended): The method interconnected system of claim 57,
2	wherein verifying that the entry has been generated by the server system

a plurality of

to be stored

forming a first message digest by applying a hash algorithm to the entry; forming a second message digest by signing the encrypted element associated with the entry using a public key of the server system; and;

includes:

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59. (currently amended): The method interconnected system of claim 57, wherein verifying that the entry has been generated by the server system includes signing the encrypted element associated with the entry with a public key of the server system, and the encrypted element of the file update partition file has been prepared by signing, with the private key of the server system, a result of the application of an algorithm to data including a version of the a setup password accessed by the server system.

60. (currently amended): The method interconnected system of claim 59, wherein

the data includes the version of the setup password appended to a the entry,

said algorithm is a hash algorithm generating a message digest, and verifying that the entry has been generated by the server system includes applying the hash algorithm to the setup password stored within the computing system appended the entry to generate a first version of a message digest and comparing the first version of the message digest with a second version of the message digest obtained by signing the encrypted element.

61. (currently amended): The method interconnected system of claim 57, wherein

information stored in the file update protected partition is compared to each entry in the plurality of entries within the update partition file,

when a portion of the information stored in the protected partition is found to match the entry, the portion of the information stored in the protected partition is overwritten with the entry if space around the matching portion of the information stored in the protected partition is sufficient, and

9	when a portion of the information stored in the protected partition is not
10	found to match the entry, the entry is appended to the information stored in the
11	protected partition if space within the protected partition is sufficient.
1	62. (currently amended): The method interconnected system of claim 51,
2	wherein

the method additionally comprises receiving an input signal from a keyboard of the computing system and comparing the input signal with a signal corresponding to a setup password stored in non-volatile storage within the computing system, and

the protected partition is left unlocked if the input signal matches the signal corresponding to the setup password.